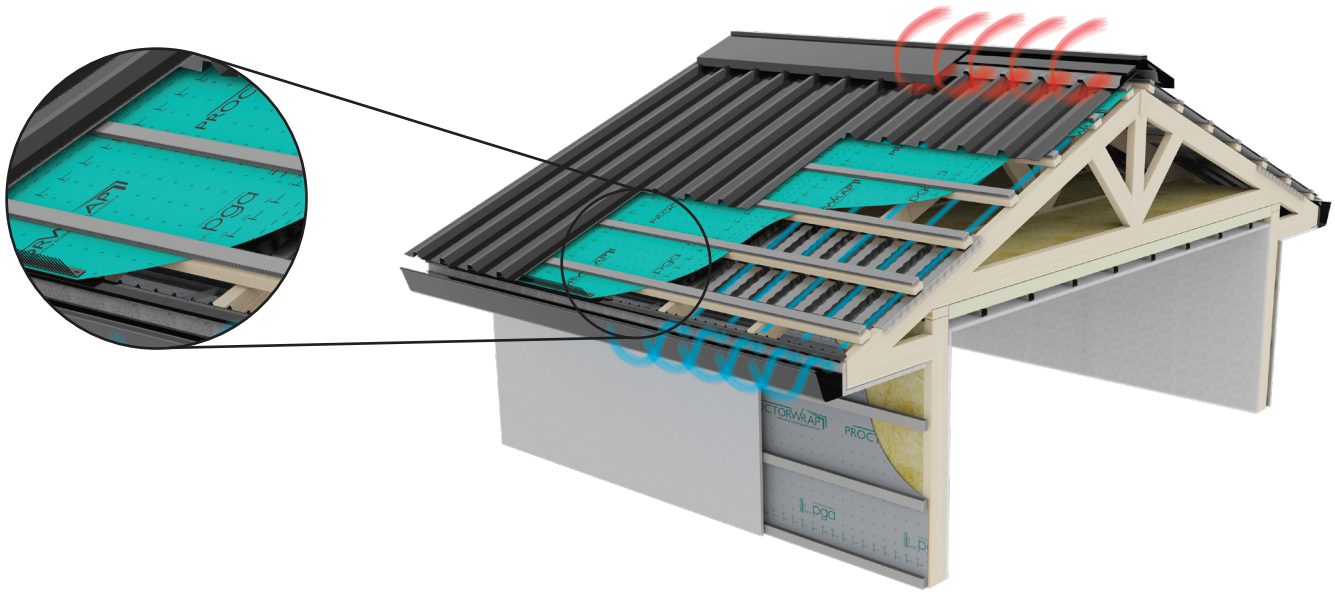
PROCTORVENT Drainage Batten VB10

Drainage and Ventilation Batten for Roofs and Walls



Product Description

The ProctorVent Drainage Batten (VB10) is a 10mm high compressive strength, self-adhesive drainage and ventilation batten for use in roofs and walls.

- Provides for a drainage and ventilation path under flat profile and concealed-fix roof or wall claddings.
- Can reduce the risk of ponding on the sarking behind roof battens and the fascia.
- Allows for vapour permeable membranes to be installed without direct contact to the roof or wall cladding, thus reducing localised condensation risk on the interior face of these membranes.
- Reduces conductive heat transfer between the roof or wall cladding and the structure.
- Does not restrict buoyancy induced air flow under the roof sheet or within wall cavities.
- Has a minimum 300kPa compressive strength - a requirement of some major roof cladding manufacturers when using extruded polystyrene (XPS) insulation thermal breaks.
- Far superior drainage speed and airflow rates compared to castellated battens.

Application - Roofing

It is common industry practice with metal roofing to install sarking running up the roof, fixed on top of roof battens. Such practice restricts air movement and drainage between the sarking and flat profile or concealed-fix roof cladding. If there is excessive drape in the sarking this can lead to ponding, or where sarking is pulled tight, it will be in direct contact with the roof sheet.

ProctorVent VB10 has been designed to resolve these issues with the drainage batten providing for air and vapour movement and a pathway for drainage between the sarking and the roof cladding.

Applications - Walls

The ProctorVent VB10 can be used either in combination with, or as an alternative to wall battens, to create a ventilation and drainage cavity behind the wall cladding.

As the ProctorVent VB10 is open to air movement and drainage, it is well suited for use horizontally or vertically above and below windows where solid battens can potentially block ventilation and drainage.

Please check with the cladding supplier, as fixing details for the cladding may need to change.

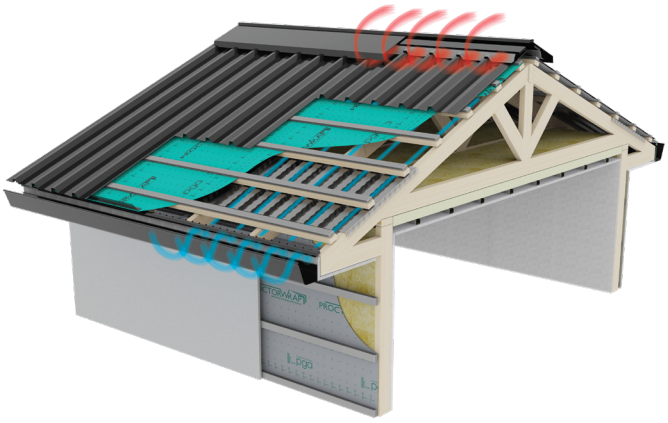
PROCTORVENT Drainage Batten VB10

Drainage and Ventilation Batten for Roofs and Walls

Roof Applications

Background

There are several ways to provide for an air and drainage pathway between the roof sheet and the sarking. The example in Figure 1 is a familiar approach, allowing for the sarking to be installed in a shingled fashion. This type of install however may not be suitable for low pitched roofs as there is a risk of ponding behind the fascia.



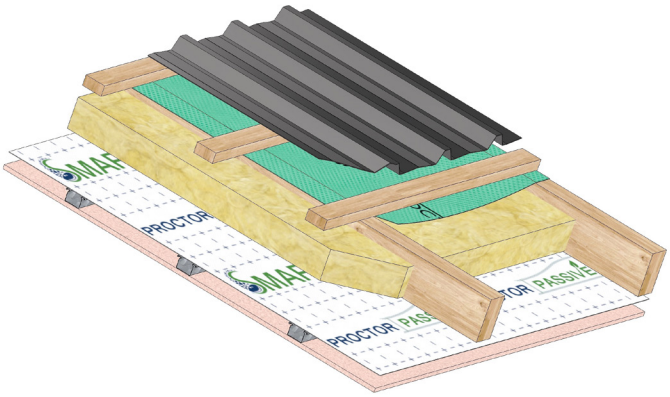


Fig 1. Sarking is installed draped over and perpendicular to the roof truss/rafters to permit safe drainage under the roof batten. The ProctorVent VB10 drainage batten is not required to be used in such installations.

Where sarking is installed over roof battens, ProctorVent VB10 offers a cost effective and simple alternative to using counter battens (see Figure 2 below.)

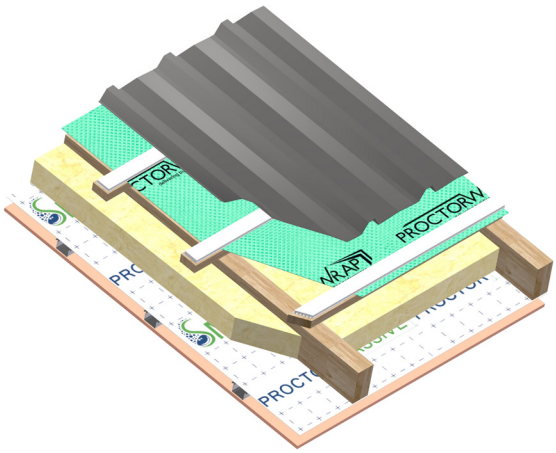


Fig 2. Where the sarking is installed above roof battens, the ProctorVent VB10 drainage batten is installed above the sarking to create a free path for drainage and air movement.

Installation - Roofs

Reference should be made to the fastening specification of the cladding and ensure that the specified spacing, position and thread penetration through the supporting structure is suitable when using the drainage batten. The fastener length should be increased to accomodate the drainage batten thickness (10mm.)

Install the sarking in accordance with AS4200.2:2017, taping overlaps where required, such as on low pitched roofs. When sarking is installed over roof battens/purlins, the drape should be minimised to avoid ponding behind battens.

Prior to fixing the roof sheet, cut the ProctorVent VB10 to the required length with a knife, cutting tool or hand saw, and position along each roof batten adhering to the clean and dry sarking using the self adhesive backing to hold the VB10 in position. Fix the roof sheet as soon as possible as the self adhesive is only intended as a temporary fix for positioning the batten. If the VB10 is being left exposed for a long period or under windy conditions, then a mechanical fix or stronger double sided tape will be needed.

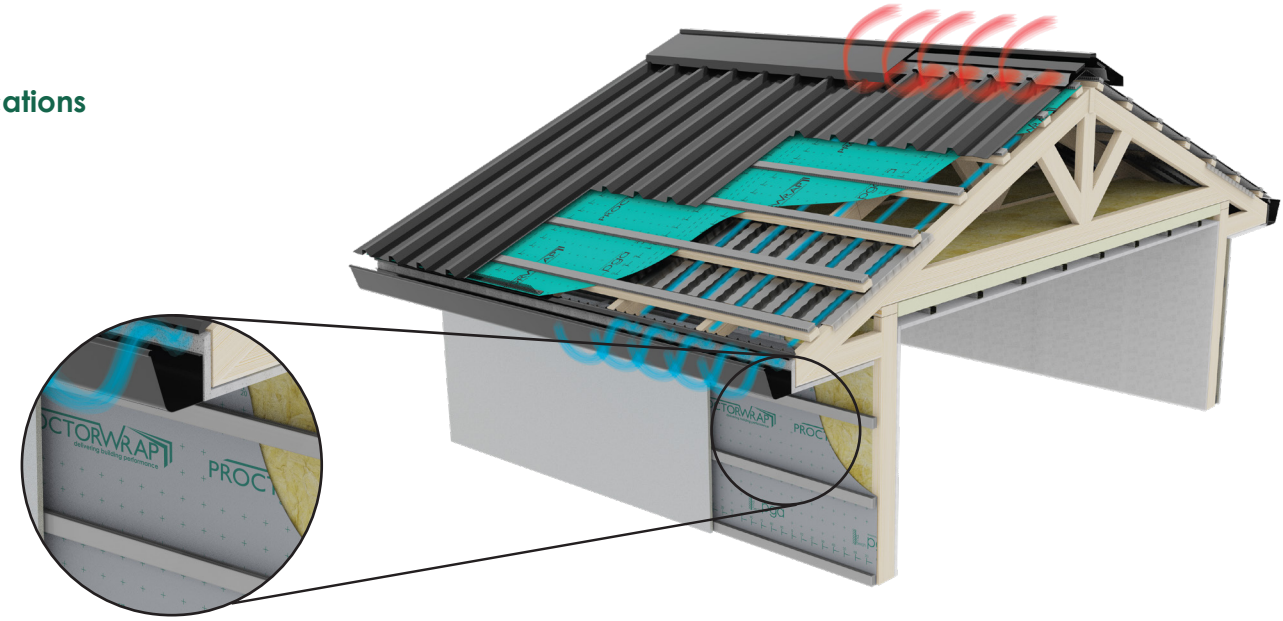
Care must be taken when fixing the roof sheet, not to compress the ProctorVent VB10. To avoid deformation of the roof sheet or compression of the drainage batten, ensure that torque is not set too high when fixing through the batten. Sufficient foot pressure should be applied to the roof sheet to ensure the batten does not lift from the sarking when fixing the roof sheet. For ease of install, one option is to pre-adhere ProctorVent VB10 to the underside of the concealed-fix roofing clip.

The VB10 is not a structural batten and is designed only to provide and maintain separation between the roof batten/purlin and the roof sheet. When using the VB10 in roof applications a hi-grip roof fastener must be used.

PROCTORVENT Drainage Batten VB10

Drainage and Ventilation Batten for Roofs and Walls

Wall Applications



Background

ProctorVent VB10 can be used in wall applications to create and maintain a drained and vented cavity behind the cladding.

The batten is fixed as required, vertically or horizontally, aligned with studs, noggins, and the top and bottom plates.

ProctorVent VB10 is typically used in conjunction with a structural timber batten or noggin. Where a structural batten is not required such as a structurally insulated panel (SIPS), where a sheathing board provides a fixing point for cladding or where the cladding is fixed at all points to the frame, consider using the ProctorVent VB20 to provide a 20mm drained and vented cavity.

Installation - Walls

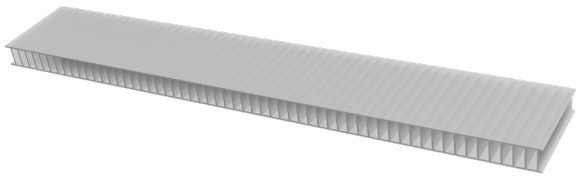
Reference should be made to the fastening specification of the cladding and ensure that the specified spacing, position and thread penetration through the supporting structure is suitable when using the drainage batten. The fastener length should be increased to accomodate the drainage batten thickness (10mm)

Prior to fixing the cladding, temporarily hold the batten in position with the self adhesive. Fix the cladding as soon as possible as the self adhesive is only intended as temporary for positioning the batten.

Cladding must be fixed through the drainage battens into the structural frame or substrate as normal. Ensure that the fastener length is increased appropriately to suit the drainage batten thickness (10mm)

IMPORTANT NOTES

1. The ProctorVent VB10 is not structural.
2. As the drainage batten is combustible, it must not be used in type A & type B non-combustible wall constructions.

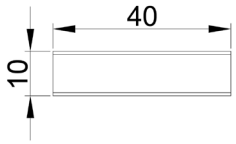


VB10 Drainage Batten

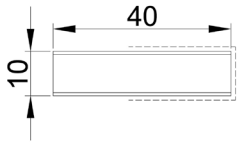
PROCTORVENT Drainage Batten VB10

Drainage and Ventilation Batten for Roofs and Walls

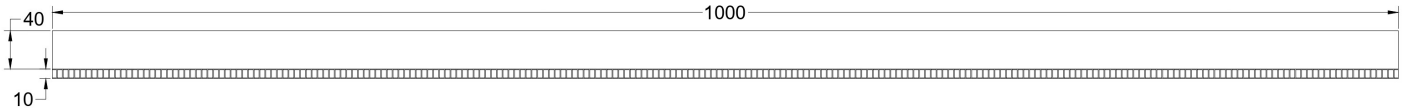
ProctorVent VB10 Dimensions



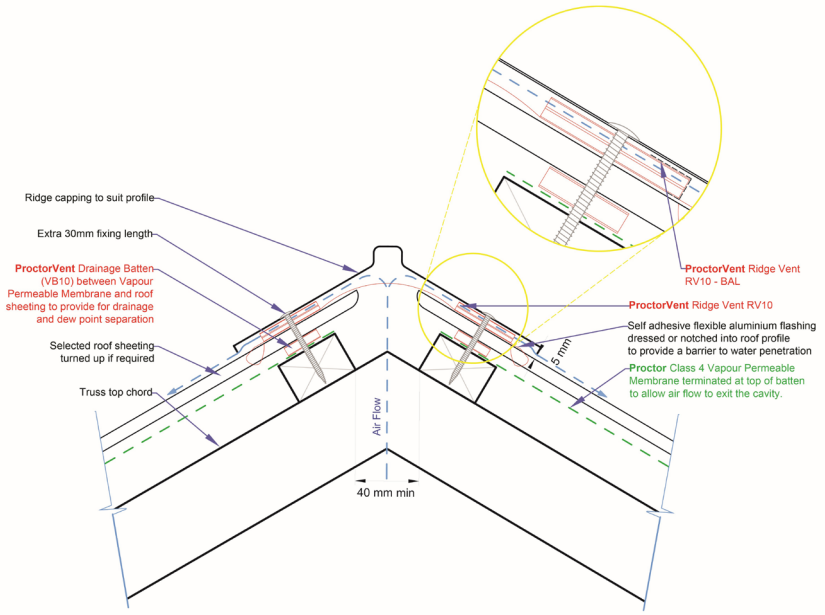
ProctorVent VB10



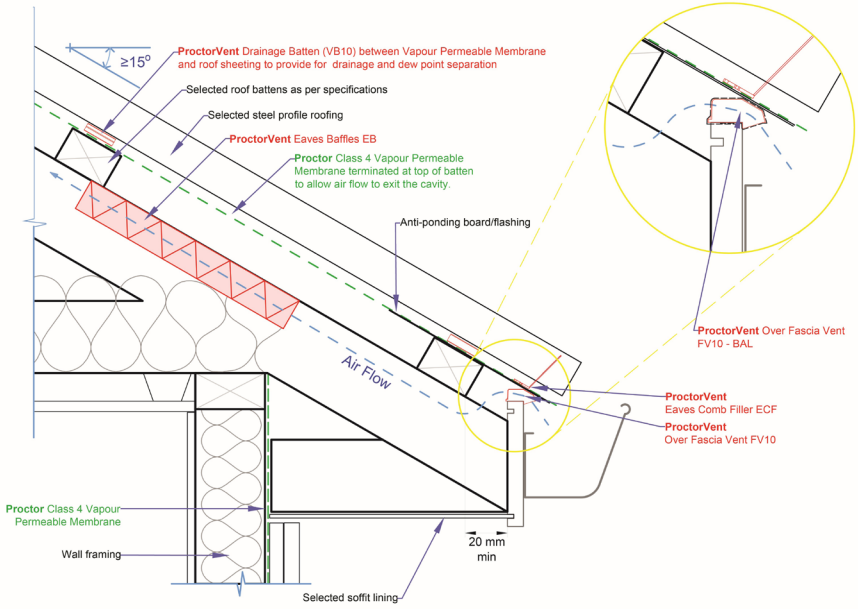
ProctorVent VB10 - BAL

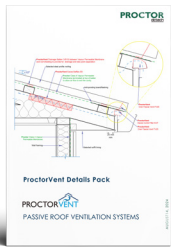


ProctorVent VB10 Example Applications



CHECK DRAWING OF VB10





A variety of drawings showing the application of VB10 in roof and wall assemblies is available on our website in PDF

PROCTORVENT Drainage Batten VB10

Drainage and Ventilation Batten for Roofs and Walls

Sample Specification

Drainage and Ventilation batten shall be ProctorVent VB10 installed in accordance with product user guide.

- Free open area: 7,850mm²/Lm
- Height: 10mm
- Spread of Flame Index (AS/NZS 1530.3) : ≤ 9
- Heat Evolved Index (AS/NZS 1530.3) : ≤ 8
- Smoke Developed Index (AS/NZS 1530.3) : ≤ 8

Available from DCTech/Proctor Group Australia.
W: dctech.com.au/contact/

Durability

Although ProctorVent VB10 can be left exposed temporarily during construction, the product may be damaged by careless handling or vandalism, and must not be used in installations where it could be exposed to long term UV radiation or constant high temperatures. Any damaged product should be replaced before completion. Ensure that ProctorVent VB10 is covered as soon as possible, and **not left exposed for longer than 14 days**.

Warranty

ProctorVent VB10 is warranted for 15 years.

Maintenance

No maintenance requirements

Bush Fire Prone Applications

Where ProctorVent VB10 is used, and embers could be expected to be drawn into a cavity through the opening, or where required by building regulations, the VB10 vented batten must be wrapped on the exterior face by a corrosion resistant, non-combustible mesh with maximum aperture of 2mm, independently tested to meet the physical properties required by AS3959-2018 Amdt. 1.

Handling and Storage

Products must be protected from direct sunlight and physical damage, and should be stored flat and under cover.

Health & Safety

Take care when working on roofs and follow all guidance and industry good practice guidelines.

Product Performance

ProctorVent VB10 performs to specification in normal building applications when installed in accordance with this product guide. The information herein is supplied in good faith and to the best of our knowledge was accurate at the time of publication. Users are advised to make their own determination as to the suitability of this information in relation to their particular purpose and specific requirements.

Technical Data

Criteria	Test Method	Result
Free Airflow		7,850 mm²/Lm
Spread of Flame Index (Range 0-10)	AS/NZS 1530.3	6
Heat Evolved Index (Range 0-10)	AS/NZS 1530.3	4
Smoke Developed Index (Range 0-10)	AS/NZS 1530.3	6
Thermal Resistance	ASTM C518	0.13 m^2 K/W
Compressive Strength @10% relative deformation	ASTM 2498.3	30 kPa

Dimensions & Packaging

Product	Batten Dimensions			Packaging weight and dimension				Battens per pack (Total linear metre)	Packs per pallet (Total linear metre)
	Length (mm)	Width (mm)	Height (mm)	Length (mm)	Width (mm)	Height (mm)	Weight (kg/box)		
ProctorVent VB10	1,000	40	10	1,005	330	110	6.4	80 battens (80Lm)	30 packs (2,400Lm)

Proctor Group Australia
a division of Dynamic Composite Technologies Pty. Ltd.

T 02 8788 9555
E technical@proctorgroup.com.au
W www.proctorgroup.com.au

PROCTOR dctech